

Message Text

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44

ORIGIN PM-03

INFO OCT-01 EUR-12 ISO-00 CIAE-00 H-02 INR-07 L-02 NSAE-00

NSC-05 PA-01 PRS-01 SP-02 SS-15 USIA-06 NASA-01

ACDA-05 OES-03 OC-05 CCO-00 OTPE-00 /071 R

DRAFTED BY:CSAF/XOXXGIF:MAJ GRAY;PM/ISO:FJFLEMINGS

PM/ISO:GT CHRUCHILL

EUR/NE:MR. FLOYD

OSD/ISA/FMRA:CDR GRUNAWALT

EUR/CAN:MR. KRUSE

OSD/ISA/EUR:MR. TIMBERLAKE

----- 063651

R 141513Z MAR 75

FM SECSTATE WASHDC

TO AMEMBASSY LONDON

AMEMBASSY OTTAWA

INFO SECDEF ISA/FMRA

CSAF XOXXGIF

AFSC ANDREWS AFB MD/DOSF

SAMSO LOS ANGELES AFS CA/SKA

ESD LG HANSCOM FLD MA/DCK

4950 TEST WG WPAFB OH/CC

C O N F I D E N T I A L STATE 057395

E.O. 11652: ADS-DECLASS WHEN THE OPERATING RIGHTS REQUESTED
HEREIN HAVE BEEN GRANTED

TAGS: MILI, OCLR, CA, UK

SUBJECT: REQUEST FOR OPERATING RIGHTS, AIR FORCE SATELLITE
COMMUNICATIONS SYSTEM (AFSATCOM)

1. THE AIR FORCE SYSTEMS COMMAND (AFSC) IS WORKING TOWARD
FUTURE RELIABLE COMMUNICATIONS FOR AIR FORCE UNITS BY
USING A SERIES OF SATELLITE RELAYS. THIS SYSTEM, KNOWN
AS THE AIR FORCE SATELLITE COMMUNICATIONS SYSTEM OR
AFSATCOM IS NOW UNDERGOING TECHNICAL AND OPERATIONAL
TESTING WHICH INCLUDES CHECKOUT AND EVALUATION OF THE
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PROTOTYPE AIRBORNE TERMINALS THAT WILL BE USED TO SUCCESS-

FULLY ACCOMPLISH THE TESTING/EVALUATION, FLIGHTS OVER CANADA AND STAGING FROM THE UK ARE REQUIRED.

2. PROPOSAL IS TO PLACE AN AIRBORNE TERMINAL ABOARD A C-141A TEST AIRCRAFT (USAF SERIAL NUMBER 62-2779) WHICH WILL PROVIDE HALF DUPLEX TELETYPE COMMUNICATIONS WITH OTHER AIRBORNE ORGROUND TERMINALS THROUGH A SUITABLE COMMUNICATIONS SATELLITE. THE AIRBORNE TERMINAL ABOARD THE TEST AIRCRAFT WILL TRANSMIT AND RECEIVE FREQUENCY-SHIFT-KEYED DIGITAL INFORMATION IN THE MILITARY UHF SPECTRUM. AN EFFORT WILL BE MADE TO MEASURE THE EFFECTS OF IONOSPHERIC SCINTILLATION ON THE PERFORMANCE OF THE

AIRBORNE TERMINAL LOCATED IN THE TEST AIRCRAFT. ADDITIONALLY, TEST/EVALUATION DATA IS DESIRED TO CHARACTERIZE THE PERFORMANCE OF THE AIRBORNE TERMINAL IN THE OPERATIONAL ENVIRONMENT. FOR THIS REASON THE TERMINAL WILL BE OPERATED OVER PORTIONS OF THE FLIGHT ROUTES WHICH THE MILITARY AIRLIFT COMMAND (MAC) USES ON A REGULAR BASIS.

3. AIRCREW WILL CONSIST OF 27 MILITARY, U.S.GOVERNMENT CIVILIAN AND CIVILIAN CONTRACTOR PERSONNEL, ALL U.S. CITIZENS. ALL TEST EQUIPMENT WILL BE CARRIED INTERNALLY AND WILL NOT BE REMOVED WHILE AIRCRAFT IS ON THE GROUND. FLIGHTS WILL COMPLY WITH NORMAL AIR ROUTE TRAFFIC CONTROL PROCEDURES AND THE REQUIREMENTS STATED IN THE DOD FLIP PLANNING DOCUMENT AND THE USAF FOREIGN CLEARANCE GUIDE. ADDITIONALLY, ALL TAKEOFFS AND LANDINGS WILL CONFORM TO LOCAL ESTABLISHED RULES CONCERNING NOISE ABATEMENT. APPROVAL FOR RADIO FREQUENCY AUTHORIZATION WILL BE SOUGHT THROUGH ESTABLISHED CHANNELS SHOULD THIS REQUEST MEET WITH FAVORABLE CONSIDERATION.

4. THE FOLLOWING ITINERARY IS PROPOSED; ALL DATES ARE APRIL AND MAY OF 1975. PROVISIO IS REQUIRED TO VARY FLIGHT ITINERARIES PLUS OR MINUS TWO DAYS DEPENDENT UPON MAGNITUDE OF VARIATION IN SCINTILLATION PHENOMENA.

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	ARRIVE	STATION	DEPART	REMARKS
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-		WRIGHT-PATTERSON AFB OH	03 APR	AIRWAYS FLIGHT
-		CHARLOTTE TOWN VORTAC	03 APR	ENROUTE TESTING
-				IN CANADIAN
-				AIRSPACE

- 50 N 60 W 03 APR ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

- 65 N 60 W 03 APR ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

- 03 APR GOOSE AB, CN 05 APR LOCAL FLIGHT
- WITHIN 100 NM/
- E HRS DURATION

- 05 APR GOOSE AB, CN 07 APR LOCAL FLIGHT
- WITHIN 100 NM/
- 3 HRS DURATION

- 07 APR GOOSE AB, CN 09 APR ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

- 65 N 60 W 09 APR ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

- 50 N 60 W 09 APR ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

- CHARLOTTE TOWN VORTAC 09 APR ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

09 APR WRIGHT-PATTERSON AFB, OH
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- 17 APR AIRWAYS FLIGHT/
- ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

- GOOSE TACAN 17 APR

- CARTWRIGHT INTERSECTION 17 APR

- EAGLE VOR 17 APR AIRWAYS FLIGHT

- 17 APR MILDENHAL RAF 19 APR AIRWAYS FLIGHT
- TO EAGLE VOR/
- TESTING OVER
- INTERNATIONAL

- WATERS

EAGLE VOR 19 APR

- 54 N 26 W 19 APR

- EAGLE VOR 19 APR

19 APR MILDENHAL RAF 21 APR AIRWAYS FLIGHT

- TO EAGLE VOR/
- TESTING OVER
- INTERNATIONAL
- WATERS

- EAGLE VOR 21 APR

- CARTWRIGHT INTERSECTION 21 APR ENROUTE TESTING/
- CANADIAN AIR-
- SPACE

21 APR GOOSE AB, CN 23 APR AIRWAYS FLIGHT/

- ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

23 APR WRIGHT-PATTERSON AFB, OH
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- 29 APR AIRWAYS FLIGHT/
- ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

29 APR ELMENDORF AFB, ALASKA 07 MAY AIRWAYS FLIGHT/

- ENROUTE TESTING
- IN CANADIAN
- AIRSPACE

07 MAY WRIGHT-PATTERSON AFB, OH

5. DATA FROM THE PROJECT WHICH REVEALS AFSATCOM SYSTEM PERFORMANCE CHARACTERISTICS, DEFICIENCIES, VULNERABILITIES, FREQUENCIES, MODULATION DATA, AND SIMILAR INFORMATION IS NOT RELEASEABLE. HARD COPY PRINTOUTS OF ALL TEST MESSAGES GENERATED ON THE AUTOMATIC/SEND RECEIVER PRINTER AND HANDWRITTEN DATA SHEETS WHICH PROVIDE EQUIPMENT CONFIGURATION AND PERFORMANCE, AIRCRAFT POSITION AND ENVIRONMENTAL CONDITIONS ARE RELEASEABLE. THIS DATA MAY BE OFFERED TO HOST GOVERNMENTS IF EMBASSIES DETERMINE IT NECESSARY TO SECURE DIPLOMATIC APPROVALS.

6. REQUEST EMBASSIES SEEK APPROVAL FROM HOST GOVERN-
MENTS FOR OPERATING RIGHT AS DESCRIBED HEREIN. INGERSOLL

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NNN

Message Attributes

Automatic Decaptioning: X
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Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: ITINERARY, COMMUNICATION SATELLITES, AIR FORCE, MILITARY PLANS
Control Number: n/a
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Draft Date: 14 MAR 1975
Decaption Date: 01 JAN 1960
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Disposition Approved on Date:
Disposition Authority: ElyME
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
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Disposition Reason:
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Margaret P. Grafeld
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05 JUL 2006

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Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
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TAGS: MILI, OCLR, CA, UK
To: LONDON OTTAWA
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006